



As a below named inventor, I hereby declare that:

This declaration	is of the following type:
	original divisional continuation continuation-in-part
	INVENTORSHIP IDENTIFICATION
	Yoo, Jong Hyun; Lu, Xinliang; Chen, Chiliang; Lai, Kevin Kaung; Kao, Chien-Tao
first and sole in	ost office address and citizenship are as stated below next to my name. I believe I am the original ventor (if only one name is listed below) or an original, first and joint inventor (if plural names are the subject matter which is claimed and for which a patent is sought on the invention entitled:
	TITLE OF INVENTION
PULSE NUCLE	EATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS
	SPECIFICATION IDENTIFICATION
The specification	n of which:
	is attached hereto was filed on, under Serial No, executed on even date herewith; or Express Mail No. (as Serial No. not yet known) and was amended on (if applicable)
	was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on
A	ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
	at I have reviewed and understand the contents of the above-identified specification, including the led by any amendment referred to above.
•	ne duty to disclose all information I know to be material to patentability in accordance with Title 37, Regulations, 1.56,
	aterial to the examination of this application; namely, information where there is a substantial reasonable Examiner would consider it important in deciding whether to allow the application to and
	In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

## PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

		plications have been file cations have been filed as		
<b>A.</b>	Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. § 119			
	Country/PCT	Application No	Date Filed	Priority Claimed  [ ] Yes [ ] No [ ] Yes [ ] No
В.	All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application			
	Country: Application No: Filing date:			
		PRIORITY C	LAIM (35 U.S.C. §1	20)
internati subject r provided that is m reasonab	onal application(s) of matter of each of the of d by the first paragraphaterial to the examina- ole Examiner would of courred between the f	lesignating the United Sclaims of this application on Title 35, United Station of this application (consider it important in	States of America that is not disclosed in that tes Code, \$112, I ack (namely, information deciding whether to a	any United States application(s) or PCT at is/are listed below and, insofar as the at/those prior application(s) in the manner nowledge the duty to disclose information where there is substantial likelihood that a allow the application to issue as a patent) ational or PCT international filing date of
		plications have been filed ations have been filed, a		
	Status			
	Serial No. Fil	ling Date	Patented Pending	Abandoned

## **POWER OF ATTORNEY**

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

> Peter J. Sgarbossa Registration No. 25,610 Donald Verplancken Registration No. 33,217 Lawrence Edelman Registration No. 25,226 Michael B. Einschlag Registration No. 29,301 Joseph Bach Registration No. 37,771 Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Robert W. Mulcahy Registration No. 25,436 Kenneth C. Brooks Registration No. 38,393

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061 Legal Affairs Dept. Applied Materials, Inc.

P.O. Box 450A Santa Clara, CA 95052

Kenneth C. Brooks

Law Office of Kenneth C. Brooks

(512) 527-0104

### **DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Inventor's signature:		Date:
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	Date:
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U.S.A.	Country of Citizenship: Republic of China (Taiwan)
(Declaration end	s with this page)
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#### COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: This declaration is of the following type: original divisional continuation continuation-in-part INVENTORSHIP IDENTIFICATION Yoo, Jong Hyun; Lu, Xinliang; Chen, Chiliang; Lai, Kevin Kaung; Kao, Chien-Teh My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: TITLE OF INVENTION PULSE NUCLEATION ENHANCED NUCLEATION TECHNIQUE FOR IMPROVED STEP COVERAGE AND BETTER GAP FILL FOR WCVD PROCESS SPECIFICATION IDENTIFICATION The specification of which: is attached hereto \_\_, under Serial No. \_\_\_\_\_\_, executed on even date herewith; or was filed on Express Mail No. (as Serial No. not yet known) and was amended on (if applicable) was described and claimed in PCT International Application No. \_\_\_\_\_ filed on and as amended under PCT Article 19 on \_\_\_\_\_\_. ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, 1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

with 37 CFR 1.98.

In compliance with this duty there is attached an Information Disclosure Statement in accordance

## PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

	No such applications have been filed.  Such applications have been filed as follows:			
A.	Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. § 119			
	Country/PCT	Application No	Date Filed	Priority Claimed  Yes No  Symptotic Priority Claimed  No
В.	All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application			
	Country: Application No: Filing date:			
		PRIORITY C	LAIM (35 U.S.C. §12	0)
I hereby claim the benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.				
		oplications have been file cations have been filed, a		
			Stat	
	Serial No. F	iling Date	Patented Pending	Abandoned

#### **POWER OF ATTORNEY**

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Raymond Kam-On Kwong Registration No. 37,165 James C. Wilson Registration No. 35,412 Robert W. Mulcahy Registration No. 25,436 Kenneth C. Brooks Registration No. 38,393

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Patent Counsel, MS/2061 Kenneth C. Brooks Law Office of Kenneth C. Brooks Legal Affairs Dept. Applied Materials, Inc. (512) 527-0104

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Santa Clara, CA 95052

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(Declaration ends with this page)